V2 TEL

Speech Dialler with Automation Control

PROGRAMMING AND INSTALLATION MANUAL

Pyronix®

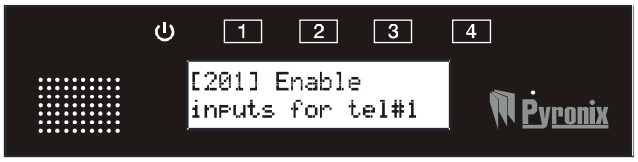
www.pyronix.com

RINS1400-1

EASY START GUIDE

Enter 2 0 1

Press the ✓ key and enter the inputs for input 1. Repeat for other inputs if required [201-209]



Enter 9 9 9

Press the ✓ key to exit the engineers' mode.

Enter 1 2 3 4

This enters the user menu.

Enter 9 0 1

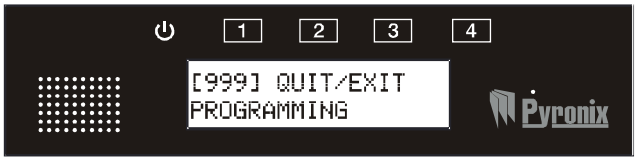
Program telephone number 1. Repeat for all other numbers if required [901-909].

Enter 9 3 1

Program the message types for the telephone numbers. Repeat for all other numbers if required [931-939].

Enter 9 9 9

Press the ✓ key to exit the user mode.



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CHAPTER 2: INTRODUCTION

The V2 TEL is an audio communication and remote automation module. It can be used as a stand alone system or it can be connected to the programmable outputs of any control panel.

There are 6 inputs onboard. Input No 5 can be programmed as a system status input and Input No 6 can be programmed as an abort input.

There are 4 programmable outputs on-board.

Up to 9 telephone numbers can be programmed, and a voice message may be sent after activation.

The V2 TEL also has a user menu that can be accessed by dialling the V2 TEL directly (this is a mobile number that is supplied).

The V2 TEL has the following features:

- Call any telephone number (just like a mobile phone)
- Supports 2 way speech via the built in speaker and microphone
- Activate outputs (to turn on lights, open gates, etc)
    - Locally via the integrated keypad
    - Remotely via voice menu command
- Program voice messages (Up to 9, 1 for each alarm input)
- Send voice alerts to up to 9 different user phone numbers
- View the V2 event log (256 events)
- Operate the V2 remotely by phone using the built in voice menu:
    - Listen in
    - Talk
    - Control output
    - Check the status of an external device that is connected to the V2 (for example system armed or disarmed)

The remote output activation facility can be used to control external devices such as lighting, heating, electronic gates and air conditioning etc.

CHAPTER 3: POWERING UP / ENGINEERS MENU

When the V2 TEL is powered up for the first time certain functions will need to be programmed (telephone number, messages etc) in order for the V2 TEL to be operational. A message will appear if the valid functions are not programmed.

'First time power up defaults' will be displayed when the V2 TEL is powered up from new. Press ✓, the V2 TEL will then enter Engineers mode.

Engineers Mode:

3.1 ENTERING THE ENGINEERS MODE

When the V2 TEL is fully operational in 'day mode'. Engineers mode can be entered as follows:

Enter the engineer's code (default 9999).

'Enter code' will be shown on the display.

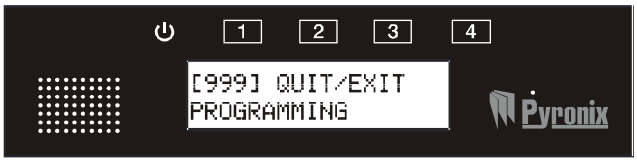
"[100] PLAY/REC SYSTEM VOICE MESSAGES" will be displayed

Use the ◄ and ► keys to scroll through the menus.

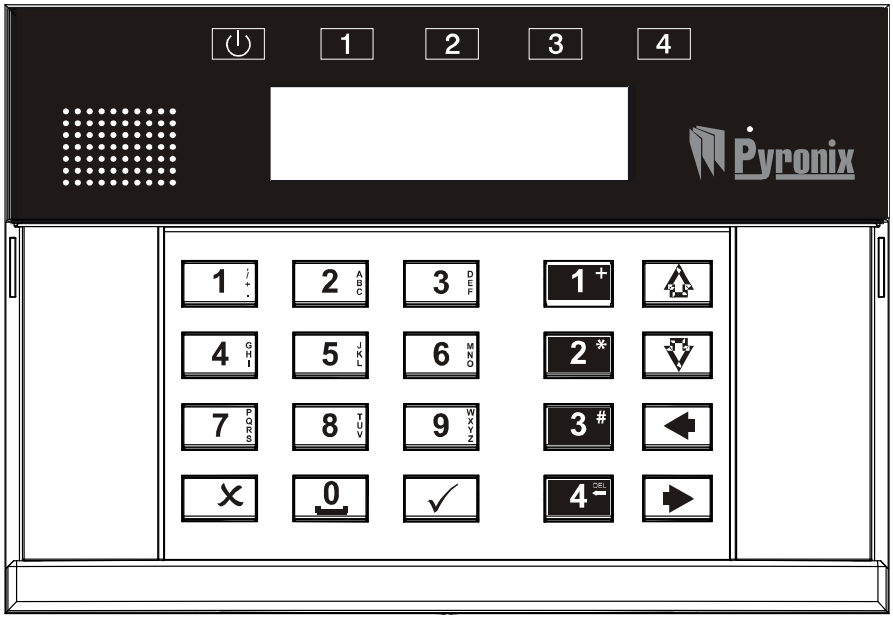
3.2 EXITING THE ENGINEERS MODE

To exit the engineer's menu, type in '999' or scroll to '[999] QUIT/EXIT PROGRAMMING'

Press the ✓ key



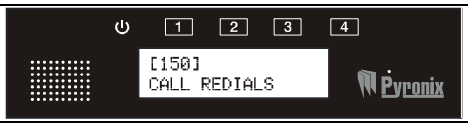
CHAPTER 4: OPERATING THE KEYPAD



The V2 TEL keypad incorporates 4 status LEDs positioned above the LCD display. They are numbered 1 to 4 and are used to show the status of the 4 in built outputs.

4.1 SCROLLING THROUGH MENUS

Once in the Engineer menu, the main menus are scrolled through using the ◄ and ► keys.

	Press ►	
Main menu functions are displayed in capital letters	To scroll to the next main menu function	The next main menu function will be displayed. To go further press ►, or to go back press ◄

To enter a main menu function, press ✓ or ▽

Once in a main menu function, use the △ and ▽ keys to scroll through the sub-menu.

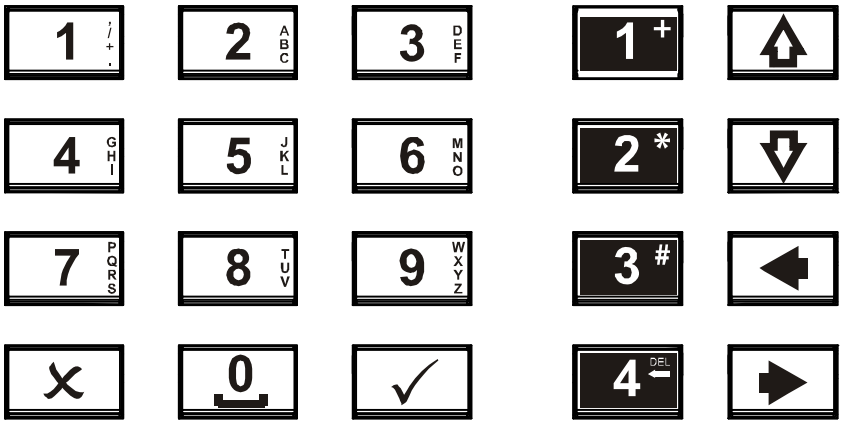
	Press ▽	
Sub-menu functions are displayed in lower case letters	To scroll to the next sub-menu function	The next sub-menu function will be displayed. To go further press ▽ to go back press △

To enter a sub-menu function, press ✓

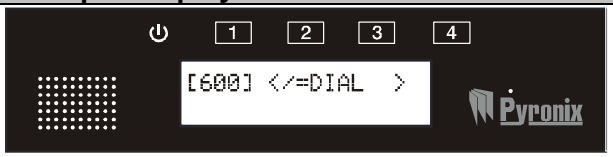
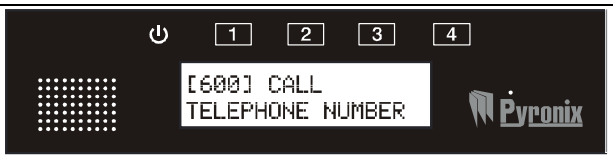
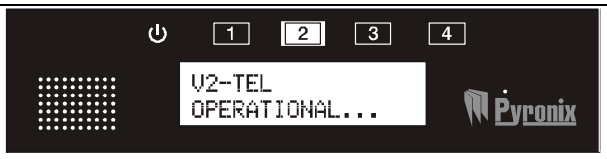
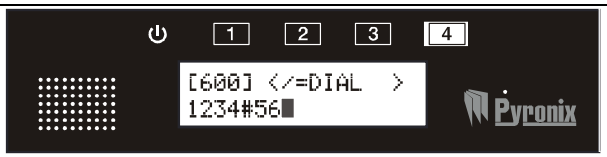
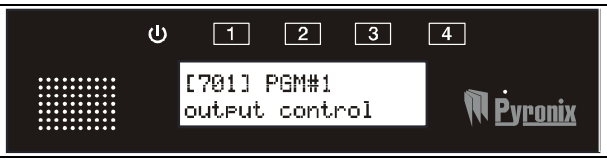
Press ✗ to exit a sub-menu, and to go back to the main menu functions,

Press ✗ again until a main menu function (in capital letters) is displayed.

4.2 ENTERING TEXT



The numeric keys above are used to enter telephone numbers and symbols that may need to be used for international dialling into the V2 TEL.

Keys	Operation	Example Display
✓	Enters a function / starts a command	
✗	Exits a function / stops a command	
1+	Activates output 1	
2*	Activates output 2	
3#	Activates output 3	
4–	Activates output 4 Deletes the current character / number that the cursor is on	
△	Scrolls between sub-menu items	

▽	Scrolls between sub-menu items	
◀	Scrolls between main-menu items	
▶	Scrolls between main-menu items	

CHAPTER 5: V2 TEL PROGRAMMING

5.1 PLAY / RECORD SYSTEM VOICE MESSAGES [100]

Messages can be recorded for all system messages on the V2 TEL:

Low battery message = If the V2-TEL voltage supply equipment battery drops below 11.5V a low battery message will be sent to the programmed telephone number (if enabled)

Battery restore message = Once the battery has been reconnected/recharged a message will be sent to the programmed telephone number (if enabled)

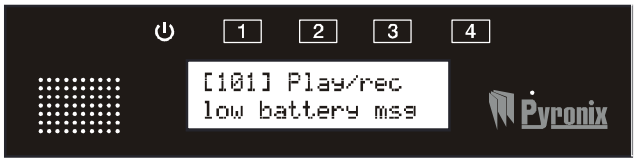
Test Message = A test call can be sent over a programmed period (if enabled) (function 175 page 14).

A recording may be up to 12 seconds long.

Default = All system messages are disabled.

Press the ◄ or ► keys to scroll to 'PLAY/REC SYSTEM VOICE MESSAGES' or enter '100'.

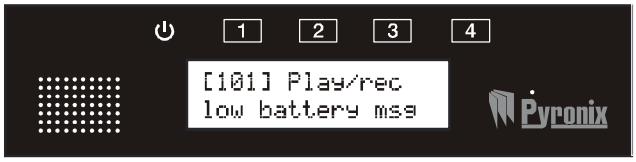
Press ▼ to enter the function to enter the sub-menus. Press the ✓ key to enter a sub-menu.



5.1.1 Play / Record Low Battery Message [101]

Press the ✓ key to play/record low battery messages

See Section 5.1.4 On how to play/record/delete messages.



5.1.2 Play / Record Battery Restore Message [102]

Press the ✓ key to play/record battery restore messages

See Section 5.1.4 On how to play/record/delete messages.

5.1.3 Play / Record Test Message [103]

Press the ✓ key to play/record test messages

See Section 5.1.4 On how to play/record/delete messages.

5.1.4 Playing / Recording / Deleting Messages (101,102,103,104,105)

Press:

[1] = To play a message

[4] = To record, [9] = To delete

1 - PLAY

To play an existing message, press [1]. Press [X] to stop.

(If no recording exists, 'no recording' will be displayed.)

4 - RECORD

To record a message, press [4]. After 3 seconds, the message can be recorded (the microphone is situated near the Pyronix logo). The message recording can be 12 seconds long or press [X] to stop the recording at anytime.

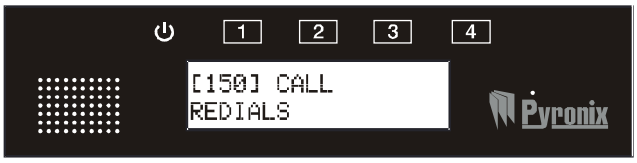
9 – DELETE

To delete a message, press [9]

5.2 CALL REDIALS [150]

If V2 calls the user and the user does not answer the call it is possible to program up to 9 redial attempts for each telephone number.

Press the [◄] or [►] keys to scroll to 'CALL REDIALS' or enter '150'.



Press [▼] to enter the function to enter the sub-menu.

Press the [✓] key to enter a sub-menu.

Press [▼] or [▲] to choose the number of redials or select the number.

[0] = 0 redials [1] = 1 redial

[2] = 2 redials

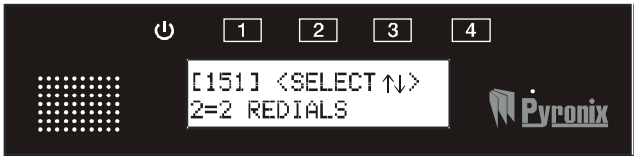
[3] = 3 redials = **Default**

[4] = 4 redials [5] = 5 redials

[6] = 6 redials [7] = 7 redials

[8] = 8 redials [9] = 9 redials

Press [✓]



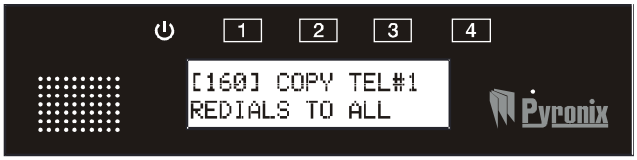
Shortcut Function Numbers:

151: Redials for tel#1	**156:** Redials for tel#6
152: Redials for tel#2	**157:** Redials for tel#7
153: Redials for tel#3	**158:** Redials for tel#8
154: Redials for tel#4	**159:** Redials for tel#9
155: Redials for tel#5	

5.3 COPY NUMBER OF REDIALS FOR TEL#1 TO ALL [160]

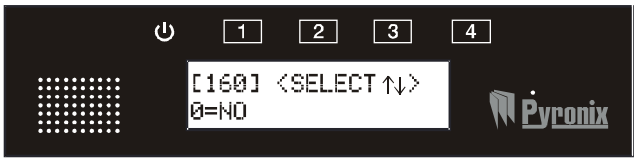
This function is used to copy the number of redials programmed for telephone number 1, to all 9 other telephone numbers.

Press the ◄ or ► keys to scroll to 'COPY TEL#1 REDIALS TO ALL' or enter '160'.
Press ✓



Press ▼ or ▲ to choose between Yes or No or enter the number:

0 = No = **Default**
1 = Yes
Press ✓



5.4 IMMEDIATE NUMBER OF REDIALS [165]

This function enables the splitting of the number of calls made to the user if the user's phone does not answer.

Example:

Program the Redials for telephone number#1, to 5 times.

Program the Immediate Number of Redials for telephone#1 to 3 times.

Program the Deferred Redial Delay Time for telephone#1 to 10 min.

In event of alarm the user phone will be called. If the user does not answer the call the V2 will call up to 3 times one after another. After that will wait for 10 min. and call another 2 times again.

To disable this function make sure the number is programmed to "9".

Press the ◄ or ► keys to scroll to 'IMMEDIATE NO. OF REDIALS or enter '165'.
Press ✓

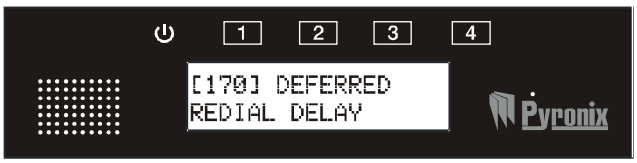
Press ▼ or ▲ to choose between the number of immediate redials or select the number:

0 = 0 redials, 1 = 1 redial
2 = 2 redials 3 = 3 redials
4 = 4 redials, 5 = 5 redials
6 = 6 redials 7 = 7 redials
8 = 8 redials 9 = To disable
Default Press ✓

5.5 DEFERRED REDIAL DELAY [170]

This function allows a programmed voice message delay of when to redial the telephone numbers. This voice message delay may be programmed up to 1 day.

Press the ◄ or ► keys to scroll to 'DEFERRED REDIAL DELAY' or enter '170'.
Press ✓



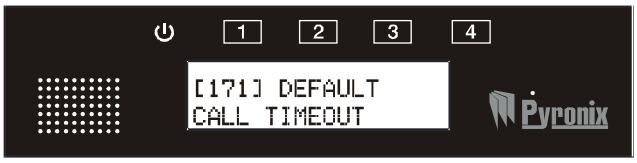
Press ▼ or ▲ to choose between the time delay or select the number:

0 = 5 minutes = **Default,**
1 = 10 minutes, 2 = 30 minutes
3 = 1 hour, 4 = 3 hours
5 = 6 hours, 6 = 1 day
Press ✓

5.6 DEFAULT CALL TIMEOUT [171]

See IMMEDIATE NUMBER OF REDIALS [165]

Press the ◄ or ► keys to scroll to 'DEFAULT CALL TIMEOUT' or enter '171'.
Press ✓



Press ▼ or ▲ to choose between the call timeout or select the number:

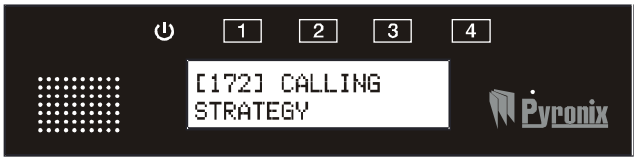
0 = 30 seconds = **Default**
1 = 60 seconds, 2 = 120 seconds
3 = 180 seconds
Press ✓

5.7 CALLING STRATEGY [172]

SEQUENTIAL = The V2 TEL will dial in sequence all numbers programmed for as many times as number of redials have been programmed for this number.

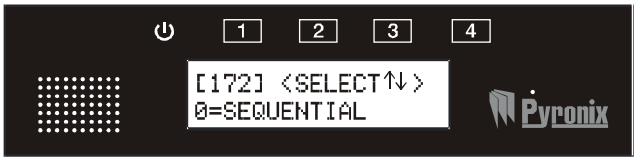
REPEAT CALLS = The V2 will call the same telephone number as many times as the number of redials programmed for this phone number before dialling the next number.

Press the ◄ or ► keys to scroll to 'CALLING STRATEGY' or enter '172'.
Press ✓



Press ▼ or ▲ to choose between Sequential or Repeat Calls or select the number:

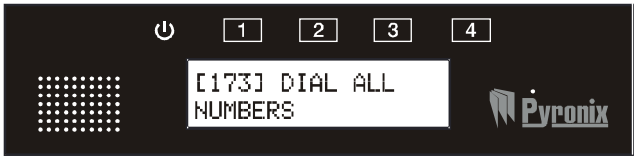
0 = Sequential = **Default**
1 = Repeat calls
Press ✓



5.8 DIAL ALL NUMBERS [173]

If this function is enabled, all numbers programmed on each individual input will be dialled.

Press the ◄ or ► keys to scroll to 'DIAL ALL NUMBERS' or enter '173'.
Press ✓



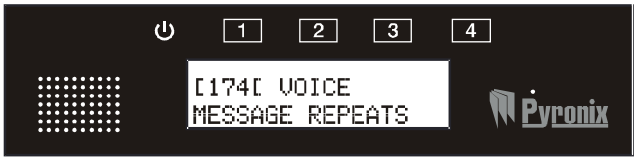
Press ▼ or ▲ to choose between Yes or No or select the number:

0 = No = **Default**
1 = Yes
Press ✓

5.9 VOICE MESSAGE REPEATS [174]

Voice messages can be repeated up to 9 times during a call if required.

Press the ◄ or ► keys to scroll to 'VOICE MESSAGE REPEATS' or enter '174'.
Press ✓



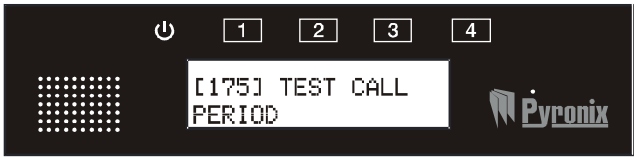
Press ▼ or ▲ to choose the number of repeats or select the number:

0 = 0 times, 1 = 1 time
2 = 2 times
3 = 3 times = **Default**
4 = 4 times, 5 = 5 times
6 = 6 times, 7 = 7 times
8 = 8 times, 9 = 9 times
Press ✓

5.10 TEST CALL PERIOD [175]

A test call will only be sent if there is a voice message programmed in the system (function 103). The test call may be programmed daily, weekly, every 2 weeks or every 4 weeks.

Press the ◄ or ► keys to scroll to 'TEST CALL PERIOD' or enter '175'.
Press ✓



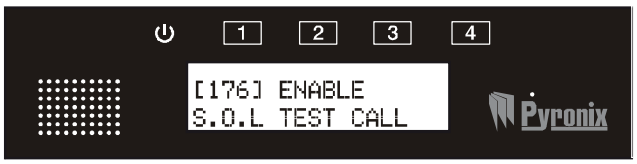
Press ▼ or ▲ to choose the test call period or select the number:

0 = Daily
1 = Weekly
2 = Every 2 weeks = **Default**
3 = Every 4 weeks. Press ✓

5.11 ENABLE S.O.L. TEST CALL [176]

A sign of life (SOL) test call will only be sent if no input activations have occurred during the SOL test call period.

Press the ◄ or ► keys to scroll to 'ENABLE S.O.L. TEST CALL' or enter '176'.
Press ✓



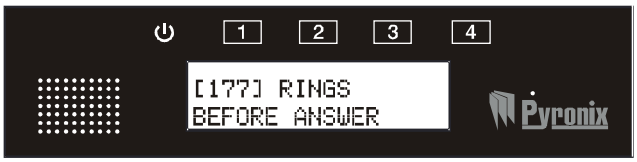
Press ▼ or ▲ to choose between Yes or No or select the number:

0 = No = **Defaul**t, 1 = Yes
Press ✓

5.12 RINGS BEFORE ANSWER [177]

The remote menu of the V2 TEL is accessed when the telephone number of the V2 TEL is dialled. The V2 TEL will only answer after it has recognised the programmed number of rings.

Press the ◄ or ► keys to scroll to 'RINGS BEFORE ANSWER' or enter '177'.
Press ✓



Press ▼ or ▲ to choose the number of rings or select the number:

0 = Disabled, 1 = 1 Ring
2 = 2 Rings,
3 = 3 Rings = **Default**
4 = 4 Rings, 5 = 5 Rings
6 = 6 Rings, 7 = 7 Rings
8 = 8 Rings, 9 = A.M.C Mode*
Press ✓

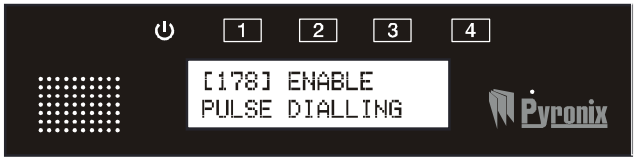
*If the V2 Tel is installed on a shared telephone line then you may not wish the V2 Tel to interrupt an incoming call. For this kind of installation select option 9 for A.M.C Mode (Answer Machine Compatible Mode). In order to access the remote menu of the V2 Tel, ring once and hang up, then ring again, and the V2 TEL will answer.

5.13 ENABLE PULSE DIALLING [178]

Most telephone lines today are tone dial (Default). If the V2 TEL is connected to a pulse dial line then enable pulse dialling.

Press the ◄ or ► keys to scroll to 'ENABLE PULSE DIALLING' or enter '178'.

Press ✓



Press [▼] or [▲] to choose between Yes or No or select the number:

[0] = No = **Default**, [1] = Yes

Press [✓]

5.14 LINE FAULT DELAY TIME [179]

If the V2 TEL is disconnected from the telephone line then the V2 TEL will show a line fault. This option allows the delayed time before a fault is activated.

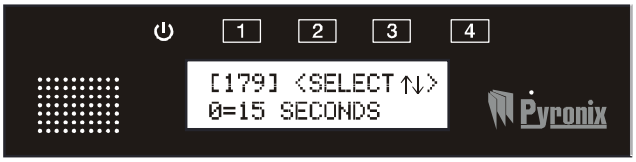
Press the [◄] or [►] keys to scroll to 'LINE FAULT DELAY TIME' or enter '179'.

Press [✓]

Press [▼] or [▲] to choose between Yes or No or select the number:

[0] = 15 Seconds = **Default**,
[1] = 60 Seconds, [2] = 15 Minutes
[3] = 60 Minutes

Press [✓]



5.15 ENABLE REMOTE CONTROL [180]

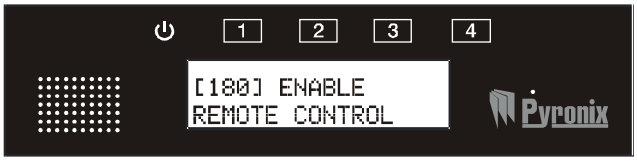
If this function is enabled the 'remote control' menu is going to be accessible for a user.

The user can either access this by either dialling into the V2 TEL or pressing the '99' when a call is made and acknowledged by the user. For more info on this refer to the user manual.

The remote control menu allows a user to listen in and talk into the property via the onboard speaker/microphone, or listen in/talk into the property via a remote speaker/microphone or control all outputs on the V2 TEL.

Press the [◄] or [►] keys to scroll to 'ENABLE REMOTE CONTROL' or enter '180'.

Press [✓]



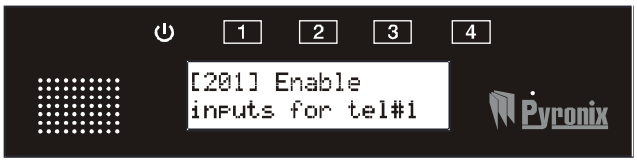
Press [▼] or [▲] to choose between Yes or No or select the number:

[0] = No, [1] = Yes = **Default**

Press [✓]

5.16 TELEPHONE NUMBER INPUT ALLOCATION [200]

This function is used to allocate the inputs for each telephone number, so when an input (or inputs) on the V2 TEL system activates, it will dial the programmed telephone number.

Press the ◄ or ► keys to scroll to 'TEL NUMBER INPUT ALLOCATION' or enter '200'. Press ✓	
Press ▼ or ▲ to choose the telephone number or enter the function shortcut number (see below). Press ✓	
Enter the individual inputs that, when activated will dial telephone number **Default = no allocations** See below for the input mapping.	

Shortcut function numbers:

201: Enables inputs for tel #1	**206:** Enables inputs for tel #6
202: Enables inputs for tel #2	**207:** Enables inputs for tel #7
203: Enables inputs for tel #3	**208:** Enables inputs for tel #8
204: Enables inputs for tel #4	**209:** Enables inputs for tel #9
205: Enables inputs for tel #5	

The inputs are selected by most of the keypad keys – the mapping is shown below:

Keys	Inputs	Display	Keys	Inputs	Display
1	Keypad Input 1	1	5	Keypad Input 5	5
2	Keypad Input 2	2	6	Keypad Input 6	6
3	Keypad Input 3	3	◄	Low Battery Report	L
4	Keypad Input 4	4	►	Test Reporting	T

5.17 COPY TEL#1 ALLOCATION TO ALL [250]

It is possible to copy all telephone number 1 input allocations to all the rest of the telephone numbers by selecting function 250.

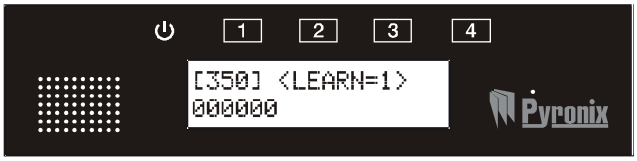
Press the ◄ or ► keys to scroll to 'COPY TEL#1 ALLOC. TO ALL' or enter '250'. Press ✓	
Press ▼ or ▲ to choose between Yes or No or select the number: 0 = No = **Default**, 1 = Yes Press ✓	

5.18 AUTO LEARN INPUT STATUS 1-6 [350]

The V2 TEL system incorporates the facility to automatically learn the normal (not alarm) status of the on-board inputs.

Press the ◄ or ► keys to scroll to 'AUTO LEARN INPUT STATUS 1-6' or enter '350'.
Press ✓

The display will show the status of each input on the keypad (6 inputs)
Press ✓

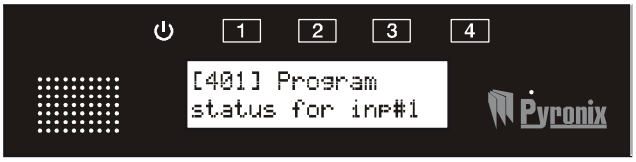


5.19 PROGRAM INPUT STATUS [400]

Each of the 6 inputs onboard the V2 TEL can be programmed to be either: normally open, normally high, normally low or a voltage trigger.

Press the ◄ or ► keys to scroll to 'PROGRAM INPUT STATUS' or enter '400'.
Press ✓

Press ▼ or ▲ to choose the input number or enter the function shortcut number (see below). Press ✓



Press ▼ or ▲ to choose between the input status, or select the number:

0 = Disabled
1 = Normally Open = **Default**
2 = Normally Low
3 = Normally High
4 = Voltage Trigger
Press ✓

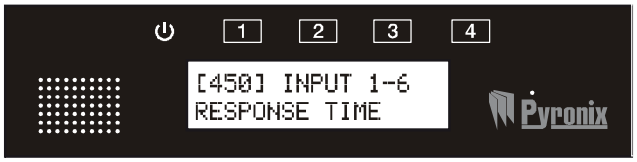
Shortcut function numbers:

ONBOARD INPUTS
401: Program status for inp#1
402: Program status for inp#2
403: Program status for inp#3
404: Program status for inp#4
405: Program status for inp#5
406: Program status for inp#6

5.20 INPUT 1-6 RESPONSE TIME [450]

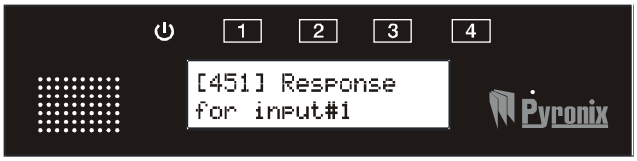
This is the response time it will take for an input to activate.

Press the ◄ or ► keys to scroll to 'INPUT 1-6 RESPONSE TIME' or enter '450'.
Press ✓



Press ▼ or ▲ to choose the input number or enter the function shortcut number (see below).

Press ✓



Press ▼ or ▲ to choose the response time or select the number:

0 = 300ms = **Default**
1 = 5 seconds, 2 = 30 seconds
3 = 60 seconds, 4 = 3 hours
5 = 6 hours, 6 = 12 hours
7 = 24 hours, 8 = 1 week
9 = 2 weeks, Press ✓

Shortcut Function Numbers:

451: Response for input#1	**454:** Response for input#4
452: Response for input#2	**455:** Response for input#5
453: Response for input#3	**456:** Response for input#6

5.21 INPUT 1-6 TRIGGER VOLTAGE [500]

This function sets the trigger voltage for each individual input.

Press the ◄ or ► keys to scroll to 'INPUT 1-6 TRIGGER VOLTAGE' or enter '500'.
Press ✓

Press ▼ or ▲ to choose the input number or enter the function shortcut number (see below).

Press ✓

Press ▼ or ▲ to choose the trigger voltage. The choices range from 0V and then increases in 0.5V to 15V. Press ✓

Shortcut Function Number:

501: Trigger volts for inp#1	**504:** Trigger volts for inp#4
502: Trigger volts for inp#2	**505:** Trigger volts for inp#5
503: Trigger volts for inp#3	**506:** Trigger volts for inp#6

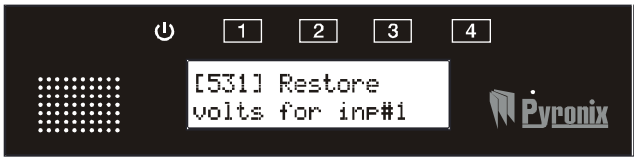
5.22 INPUT 1-6 RESTORE VOLTAGE [530]

This function sets the restore voltage for each individual input.

Press the ◄ or ► keys to scroll to 'INPUT 1-6 RESTORE VOLTAGE' or enter '530'.
Press ✓

Press ▼ or ▲ to choose the input number.

Press ✓



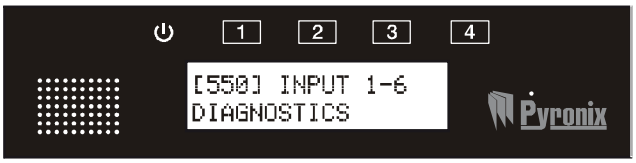
Press ▼ or ▲ to choose the restore voltage. The choices range from 0V and then increases in 0.5V to 15V.

Press ✓

5.23 INPUT 1-6 DIAGNOSTICS [550]

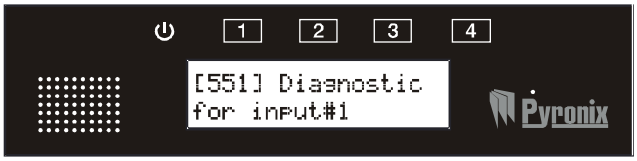
This displays the status of the 6 inputs onboard the V2 TEL.

Press the ◄ or ► keys to scroll to 'INPUT 1-6 DIAGNOSTICS' or enter '550'.
Press ✓



Press ▼ or ▲ to choose the input number or enter the function shortcut number (see below).

Press ✓



The display shows the voltage of the current status of the input.

Press ✓

Shortcut Function Numbers:

551: Diagnostic for input#1
552: Diagnostic for input#2
553: Diagnostic for input#3
554: Diagnostic for input#4
555: Diagnostic for input#5
556: Diagnostic for input#6

5.24 ENABLE ABORT INPUT#6 [580]

This function enables the abort option which can be used on Input 6 of the V2 TEL. If this input is activated, all dialling sequences will be aborted.

Press the ◄ or ► keys to scroll to 'ENABLE ABORT INPUT # 6' or enter '580'.
Press ✓

Press ▼ or ▲ to choose between Yes or No or select the number:

0 = No
1 = Yes = **Default**
Press ✓

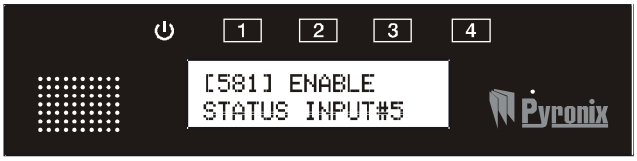
5.25 ENABLE STATUS INPUT #5 [581]

This function enables input 5 to be able to determine the status of an external device which is connected to the V2 TEL (for example an intruder alarm control panel). If enabled input 5 will detect the status changes.

Example:

Arming or disarming of the control panel but no messages will be sent to the user. To check the status the user needs to call the V2 TEL and via the voice menu interrogate the input (for example if used with an alarm panel the user will be given the information ARMED or DISARMED).

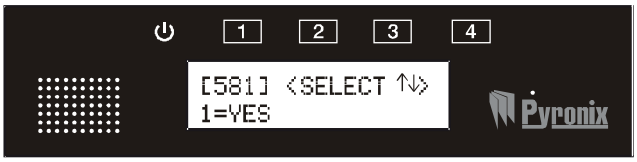
Press the ◄ or ► keys to scroll to 'ENABLE STATUS INPUT # 5' or enter '580'.
Press ✓



Press ▼ or ▲ to choose between Yes or No or select the number:

0 = No = Default
1 = Yes

Press ✓



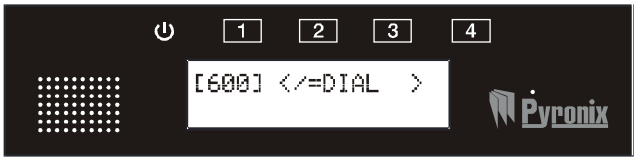
5.26 CALL TELEPHONE NUMBER [600]

This function is used to call any telephone number if required.

Press the ◄ or ► keys to scroll to 'CALL TELEPHONE NUMBER' or enter '600'.
Press ✓

Enter the telephone number to dial and press ✓. Press ✗ to end the call.

(for certain dialling sequences, a '*' or a '#' symbol may need to be used (enter 2* or 3#)



5.27 VIEW EVENT LOG [604]

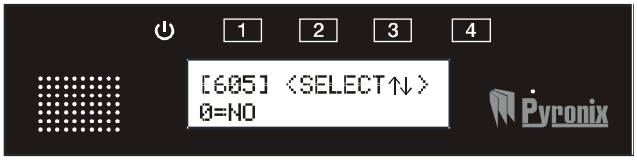
All events that occur are recorded in the event log.
The V2 TEL display will show all information in order, starting at the most recent event.

The above display shows the following:

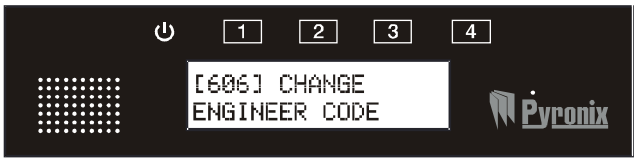
001 = Event number (up to 256)
Description of event logged.

Press the ◄ or ► keys to scroll to 'VIEW EVENT LOG' or enter '604'. Press ✓	
Press ▼ or ▲ to scroll back and forth through the log. Press the ► key to jump to the last event. Press ✓ to exit.	

5.28 ERASE EVENT LOG [605]

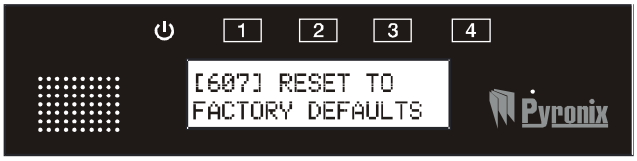
Press the ◄ or ► keys to scroll to 'ERASE EVENT LOG' or enter '605'. Press ✓	
Press ▼ or ▲ to select 'Yes' and the press ✓ to erase the entire log.	

5.29 CHANGE ENGINEER CODE [606]

Press the ◄ or ► keys to scroll to 'CHANGE ENGINEER CODE' or enter '606'. Press ✓	
Enter the new engineer code and press ✓. **Default Engineer Code = 9999**	

5.30 RESET TO FACTORY DEFAULTS [607]

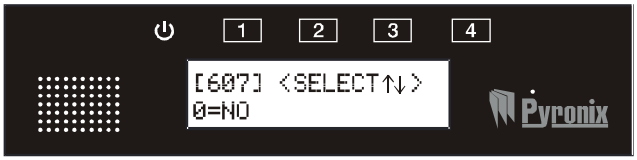
Press the ◄ or ► keys to scroll to 'RESET TO FACTORY DEFAULTS' or enter '607'.
Press ✓



Press ▼ or ▲ to choose between Yes or No or select the number:

0 = No = **Default**
1 = Yes. Press ✓

Press ✕ to return to the main menu.



5.31 PGM 1-4 OUTPUT FUNCTIONS [660]

The 4 onboard outputs can be programmed for either:

Keypad/Remote Latched: These will enable the user to trigger outputs 1-4 by pressing the dedicated keys 1 to 4, for 2 seconds.

Keypad/Remote Pulsed: These will enable the user to trigger outputs 1-4 by the dedicated keys 1 to 4, for 2 seconds, or to activate them remotely by calling the V2 and using the user voice menu. The time of the pulse is programmable in option 680, PGM Output Timers.

Follow Input: Used in conjunction with 'PGM output timers' (Function 680), the output will activate when a chosen input is activated.

Follow PSTN Fault: Output activates when there is a PSTN fault on the system.

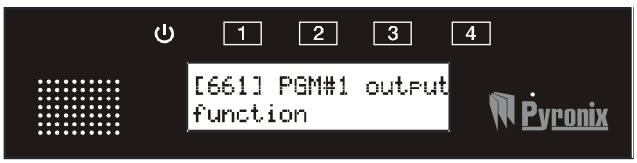
Follow Low Battery: Output activates when there is 11.5v low battery detection on the system.

Acknowledge Pulse: Output pulses for 1 sec when an acknowledgement is received after an alarm call to the user.

No Call Acknowledge: Output activates when no acknowledgement is received after an alarm call to the user.

Press the ◄ or ► keys to scroll to 'PGM 1-4 OUTPUT FUNCTIONS' or enter '660'.
Press ✓

Press ▼ or ▲ to select the output number enter the function shortcut number (see below). Press ✓



Press ▼ or ▲ to choose between the options or select the number:

0 = Disabled
1 = KPD/REM latched = **Default**
2 = KPD/REM pulsed
3 = Follow input
4 = Follow PSTN Fault
5 = Follow low battery

6 = Not used
7 = Ack. pulse
8 = No call acknowledgement
Press ✓

Shortcut Function Numbers:

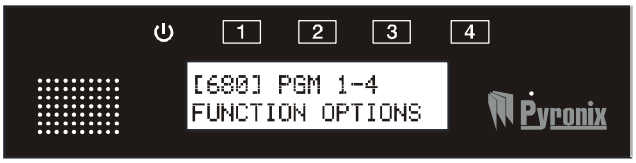
661: PGM#1 output function	**663:** PGM#3 output function
662: PGM#2 output function	**664:** PGM#4 output function

5.32 PGM 1-4 FUNCTION OPTIONS [680]

If option 660 outputs have not been enabled then option 680 is not applicable. This function is used in conjunction with function 660 and will work with any outputs that are programmed as a pulsed output.

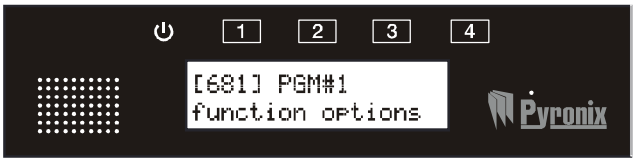
Press the ◄ or ► keys to scroll to 'PGM 1-4 FUNCTION OPTIONS' or enter '680'.

Press ✓



Press ▼ or ▲ to select the PGM number enter the function shortcut number (see below).

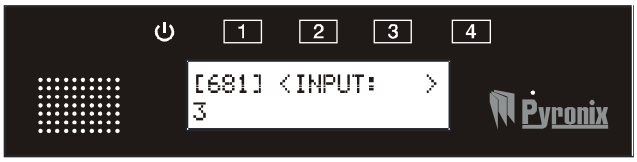
Press ✓



Use the ▼ or ▲ to select the Input number or the output timer.

Inputs: 1-4 (default 1)

Output timer:



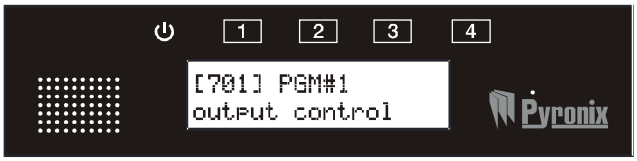
0 = 1 second = **Default**
1 = 5 seconds
2 = 15 seconds
3 = 60 seconds
4 = 1 hour
5 = 3 hours
6 = 12 hours
7 = 24 hours
8 = 1 week
9 = 2 weeks
press ✓

Shortcut Function Numbers:

681: PGM#1 function options	**683:** PGM#3 function options
682: PGM#2 function options	**684:** PGM#4 function options

5.33 OUTPUT CONTROL [700]

This function is used to activate any output on the V2 TEL.

Press the ◄ or ► keys to scroll to 'OUTPUT CONTROL' or enter '700'. Press ✓	
Press ▼ or ▲ to select the PGM number (1-4) Press ✓	
Press ▼ or ▲ to turn the output on or off or select the number: 0 = Output off = Default 1 = Output On Press ✓	

Shortcut Function Numbers:

701: PGM#1 output control	**703:** PGM#3 output control
702: PGM#2 output control	**704:** PGM#4 output control

CHAPTER 6: USER MENU PROMPTS

The V2 TEL is pre-programmed with default prompts for the user menu (this is when a user will receive a phone call from the V2 TEL or dials in directly to the V2 TEL – if 'remote control' is enabled). Each prompt can be changed by a 'hidden' menu that is only accessible via the function numbers (not via scrolling through the engineer menu)

IMPORTANT: IF NEW MESSAGES ARE RECORDED, THE DEFAULT RECORDINGS WILL BE ERASED PERMANENTLY.

6.1 USER MENU PROMPTS

6.1.1 Play/Record Voice Prompt: 1 [111]

"Enter your user code."

To change the above message, enter '111' press ✓

1 = To play a message

4 = To record

9 = To delete

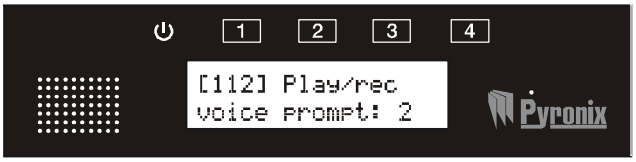
The message can only be 5 seconds

6.1.2 Play/Record Voice Prompt: 2 [112]

"Enter your command number or press nine for help."

To change the above message, enter '112'

Press ✓



1 = To play a message

4 = To record

9 = To delete

The message can only be 5 seconds

6.1.3 Play/Record Voice Prompt: 3 [113]

"Press one to listen, Two to talk, Three to control output, Four for system status, or press Zero to hang up"

To change the above message, enter '113'

Press ☑

1 = To play a message

4 = To record

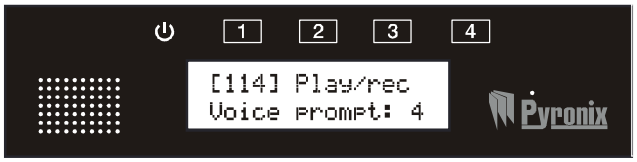
9 = To delete

The message can only be 10 seconds

6.1.4 Play/Record Voice Prompt: 4 [114]

"Enter the output number"

To change the above message, enter '114' press ☑



1 = To play a message

4 = To record

9 = To delete

The message can only be 5 seconds

6.1.5 Play/Record Voice Prompt: 5 [115]

"Press one to turn on, zero to turn off "

To change the above message, enter '115' press ☑

1 = To play a message

4 = To record

9 = To delete

The message can only be 5 seconds

6.1.6 Play/Record Voice Prompt: 6 [116]

"Output on"

To change the above message, enter '116'

Press ✓

1 = To play a message

4 = To record

9 = To delete

The message can only be 5 seconds

6.1.7 Play/Record Voice Prompt: 7 [117]

"Output off"

To change the above message, enter '117' press ✓

1 = To play a message

4 = To record

9 = To delete

The message can only be 5 seconds

6.1.8 Play/Record Voice Prompt: 8 [118]

"Goodbye"

To change the above message, enter '118' press ✓

1 = To play a message

4 = To record

9 = To delete

The message can only be 5 seconds

6.1.9 Play/Record Voice Prompt: 9 [119]

"**Enter your call acknowledgement code now"**	
To change the above message, enter '119' press ☑	
1 = To play a message 4 = To record 9 = To delete The message can only be 5 seconds	

6.1.10 Play/Record Voice Prompt: 10 [120]

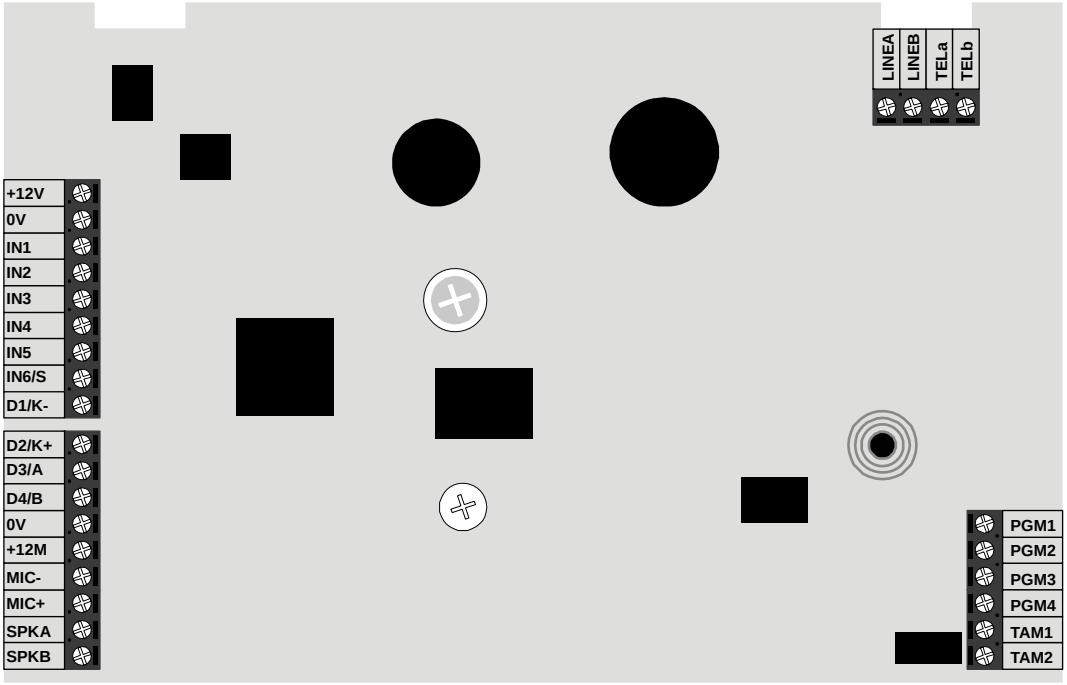
"**System Disarmed"**	
To change the above message, enter '120' press ☑	
1 = To play a message 4 = To record 9 = To delete The message can only be 5 seconds	

6.1.11 Play/Record Voice Prompt: 11 [121]

"**System Armed"**	
To change the above message, enter '121' press ☑	
1 = To play a message 4 = To record 9 = To delete The message can only be 5 seconds	

CHAPTER 7: INSTALLATION SECTION

7.1 THE V2 TEL PRINTED CIRCUIT BOARD



Terminals	***Description***	***Terminals***	***Description***
+12V	+12v Auxiliary Supply	**IN6/S**	Input 6 / Abort Input
0V	0V Auxiliary Supply	**PGM1**	PGM 1
IN1	Input 1	**PGM2**	PGM 2
IN2	Input 2	**PGM3**	PGM 3
IN3	Input 3	**PGM4**	PGM 4
IN4	Input 4	**TAM1**	Tamper Terminals
IN5	Input 5	**TAM2**	

7.1.1 System Overview:

Inputs:	*Onboard*	6 inputs
	Maximum inputs:	6 inputs
Outputs	*On board*	4 outputs
	Maximum outputs:	4 outputs
Speakers	*Onboard*	1 speaker
Microphones	*Onboard*	1 microphone

7.2 TECHNICAL SPECIFICATION

Voltage range: 10-14.9V DC

Quiescent current draw: 200mA

Maximum current draw: 800mA (average)

PGM1-4 (open-collector transistor outputs): 500mA max. each (500mA total)

Input voltage range: 0-15V DC - inputs have 39K resistor to 0V and 47K

to positive supply

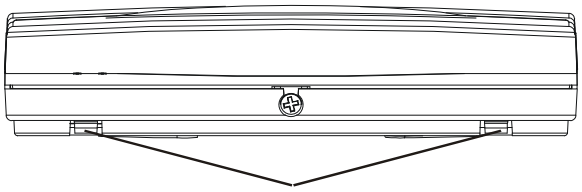
Input trigger thresholds: Low=0-3.9V DC, high=8-12V DC @ 12V supply

Internal speaker: 500mW

Temperature: -20 to +40'C (operational)

7.3 OPENING THE V2 TEL

- Loosen the screw on the underside of the V2 TEL.
- Insert a wide flat-head screw-driver into each of the two lugs on the underside of the V2 TEL (as shown below).

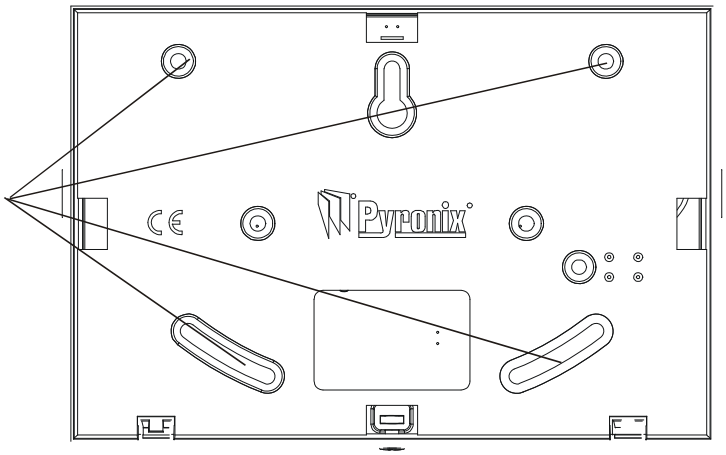


(Bottom of V2 TEL)

- Lever the screwdriver and push the lugs inwards and pull the back of the V2 TEL away from the front.

7.4 SCREW MOUNTING HOLES

Screw Holes

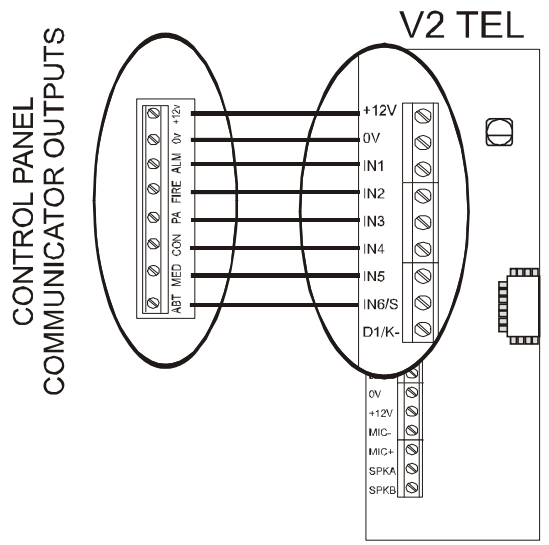


7.5 WARRANTY

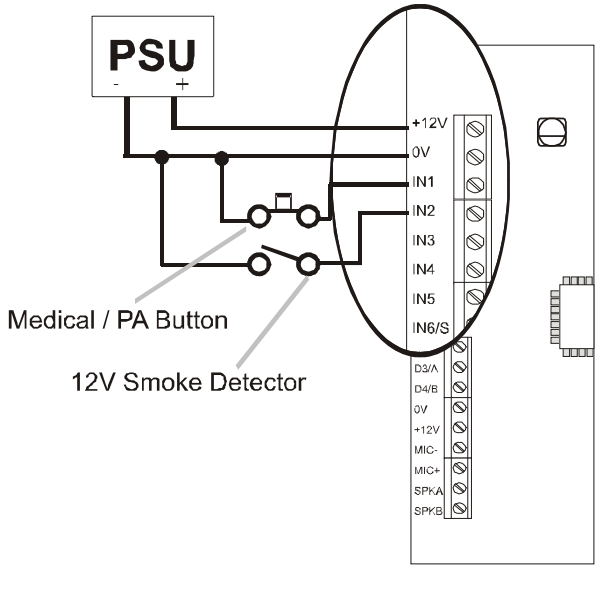
This product is sold subject to our standard warranty conditions and is warranted against defects in workmanship for a period of 2 years. In the interest of continuing improvement of quality, customer care and design, Pyronix reserves the right to amend specifications without giving prior notice.

7.6 CONNECTING OTHER EQUIPMENT

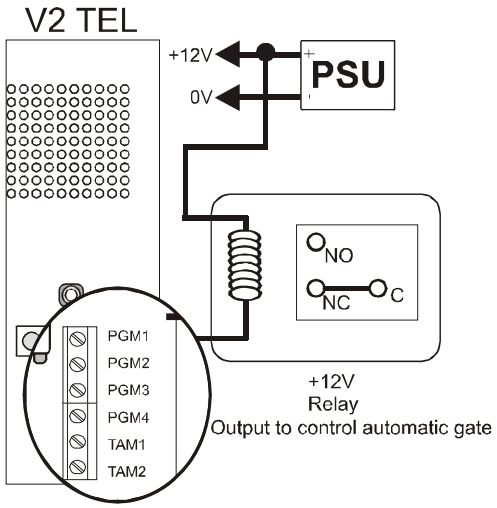
Connecting Inputs



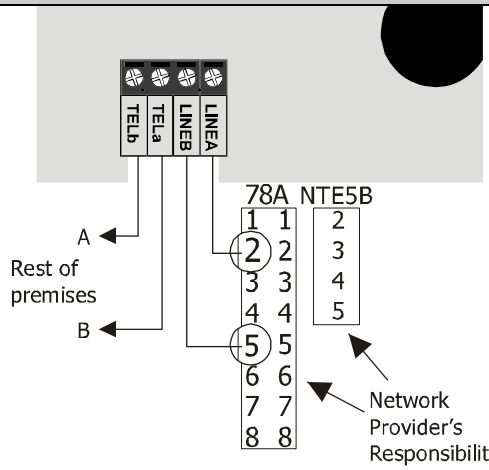
Connecting Smoke / PA Buttons

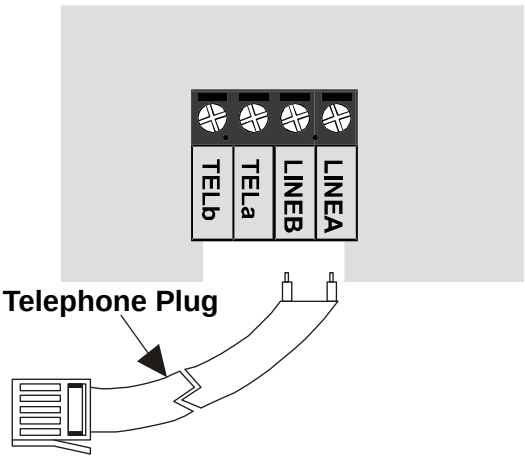


Connecting Relays



Connecting A Phone Line





CHAPTER 8: SHORTCUT FUNCTION REFERENCE

100 PLAY / REC SYSTEM VOICE MESSAGES
- 101 Play / record low battery message
- 102 Play / record battery restore message
- 103 Play / record test message

150 CALL REDIALS
- 151-159 Redials for tel#1 [151], Redials for tel#2[152] … Redials for tel#9 [159]

160 COPY TEL#1 REDIALS TO ALL

165 IMMEDIATE NO. OF REDIALS

170 DEFERRED REDIAL DELAY

171 DEFAULT CALL TIME OUT

172 CALLING STRATEGY

173 DIAL ALL NUMBERS

174 VOICE MESSAGE REPEATS

175 TEST CALL PERIOD

176 ENABLE S.O.L. TEST CALL

177 RINGS BEFORE ANSWER

180 ENABLE REMOTE CONTROL

200 TEL NUMBER INPUT ALLOCATION
- 201-209 Enable inputs for tel#1 [201], Enable inputs for tel#2 [202] … Enable inputs for tel#3 [203]

250 COPY TEL#1 ALLOC. TO ALL

350 AUTO LEARN INPUT STATUS 1-6

400 PROGRAM INPUT STATUS
- 401-406 Program status for inp#1 [401], Program status for inp#2 [402] ... Program status for inp#6 [406]

450 INPUT 1-6 RESPONSE TIME
- 451-456 Response for input#1 [451], Response for input#2 [452] … Response for input#6 [456]

500 INPUT 1-6 TRIGGER VOLTAGE
- 501-506 Trigger volts for inp#1 [501], Trigger volts for inp#2 [502] … Trigger volts for inp#6 [506]

530 INPUT 1-6 RESTORE VOLTAGE
- 531-536 Restore volts for inp#1 [531], Restore volts for inp#2 [532] … Restore volts for inp#6 [536]

550 INPUTS 1-6 DIAGNOSTICS
- 551-556 Diagnostic for input#1 [551], Diagnostic for input#2 [552] … Diagnostic for input#6 [556]

580 ENABLE ABORT INPUT#6

581 ENABLE STATUS INPUT#5

600 CALL TELEPHONE NUMBER

604 VIEW EVENT LOG

605 **ERASE EVENT LOG**

606 **CHANGE ENGINEER CODE**

607 **RESET TO FACTORY DEFAULTS**

660 **PGM 1-4 OUTPUT FUNCTIONS**
661-664 PGM#1 output function [661], PGM#2 output function [662] … PGM#4 output function [664]

680 **PGM FUNCTION OPTIONS**
681-684 PGM#1 timer/follow input [681], PGM#2 timer/follow input [682] … PGM#4 timer/follow input [684],

700 **OUTPUT CONTROL**
701-704 PGM#1 output control [701]… - 4 on board outputs

999 **QUIT/EXIT PROGRAMMING**

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